

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number  
**WO 2005/044010 A1**

(51) International Patent Classification<sup>7</sup>: **A01N 51/00**

(21) International Application Number:  
PCT/EP2004/011024

(22) International Filing Date: 2 October 2004 (02.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0326284.7 11 November 2003 (11.11.2003) GB

(71) Applicant (for all designated States except US): **BASF AKTIENGESELLSCHAFT** [DE/DE]; 67056 Ludwigshafen (DE).

(71) Applicant (for US only): **GÖTTSCHE, Helga** (heiress of the deceased inventor) [DE/DE]; Maria-Viktoria-Strasse 31, 76530 Baden-Baden (DE).

(72) Inventor: **GÖTTSCHE, Reimer** (deceased).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HUFF, Jürgen** [DE/DE]; Hagellochstrasse 48, 67063 Ludwigshafen (DE). **QURESHI, Shoalb** [GB/GB]; 4 Maple Close, Bingham, Nottinghamshire NG13 8G (GB). **HODGKINSON, Darren** [GB/GB]; 1 Dorothy Avenue Hucknall, Nottingham NG15 8DL (GB). **NICKLIN, Craig** [GB/GB]; 169 Burton Road, Gedling, Nottingham NG2 4QF (GB). **HETTLER, Wendelln** [DE/DE]; Panoramastrasse 16, 76547

Sinzheim (DE). **ROPER, David, Vincent** [GB/GB]; 15 Beaulieu Gardens, Compton Acres, West Bridgford, Nottingham NG2 7TL (GB).

(74) Common Representative: **BASF AKTIENGESELLSCHAFT**; 67056 Ludwigshafen (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **MICROBICIDAL COMPOSITIONS AND THEIR USE**

(57) Abstract: A composition comprising a copper salt of N'-hydroxy-N-cyclohexyldiazonium oxide (CuHDO) and a diluent is useful for combating and/or killing bacteria, mould, yeast and algae in industrial materials and or industrial processes. In a preferred embodiment CuHDO is generated in-situ within the application or medium. The composition may additionally include at least one or certain other biocidal active components.

WO 2005/044010 A1